

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF US 50 (BUSINESS) AND CYPRESS STREET IN WICOMICO COUNTY.

INTERSECTION OPERATION

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET EXIST AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 5 NEMA PHASES. FIRE PRE-EMPTION EXISTS FOR THE EASTBOUND APPROACH. A NEW OPTICOM DETECTOR EYE SHALL BE INSTALLED ON THE MAST ARM FOR FIRE PRE-EMPTION FOR THE SOUTHBOUND APPROACH FOR THIS INTERSECTION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MS. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

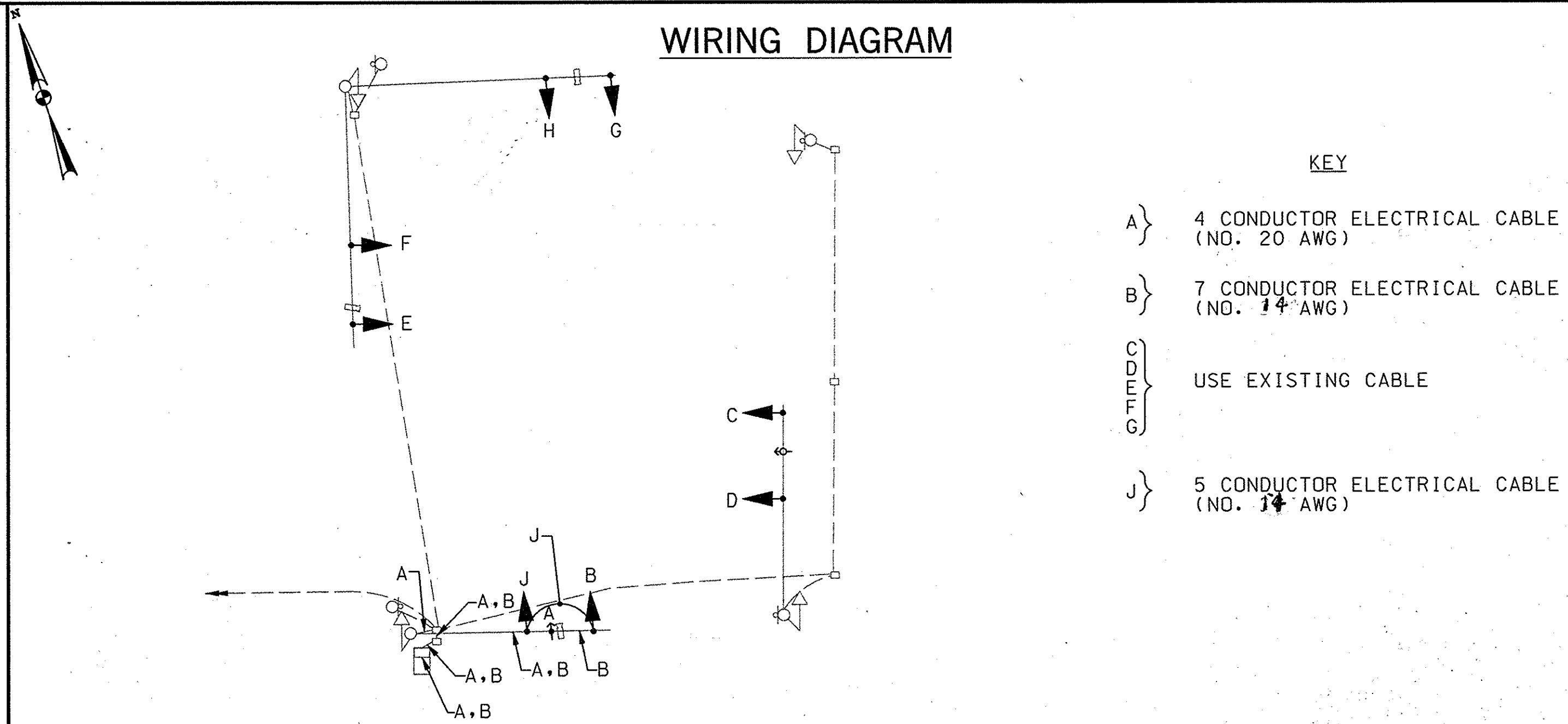
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

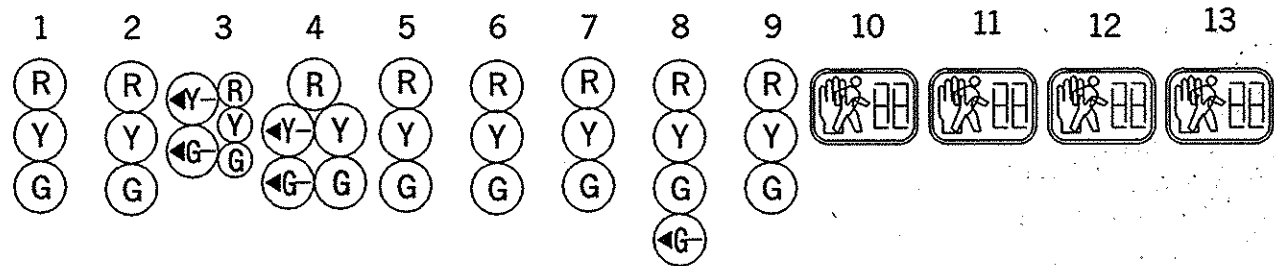
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	EA	1
8001	12 INCH LED SIGNAL HEAD SECTION	EA	29
8007	8 INCH LED SIGNAL, R.Y.G. HEAD SIGNAL SECTION	EA	3
8017	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT	EA	1
8021	ELECTRICAL CABLE - 4 CONDUCTOR (NO. 20 AWG)	LF	90
8048	OPTICOM 721 DETECTOR EYE	EA	1
8060	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	25
8061	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	100

WIRING DIAGRAM



PHASE CHART



PHASE 2 AND 5	R	R	←GG	←GG	G	R	R	R	R	DW	DW	DW	DW	←
2 AND 5 CHANGE	R	R	←YG	←YG	G	R	R	R	R	DW	DW	DW	DW	←
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	←
PHASE 4 AND 8	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW	←
4 AND 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	←
PHASE 4 AND 8 ALT	R	R	R	R	R	G	G	G	G	WK	WK	WK	WK	←
PED CLEARANCE	R	R	R	R	R	G	G	G	G	FLDW	FLDW	FLDW	FLDW	←
4 AND 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	←
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	←

FIREHOUSE PRE-EMPTION PHASE

PRE-EMP PHASE 2	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
2 CHANGE	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
PRE-EMP PHASE 6	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
6 CHANGE	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←
PRE-EMP PHASE 4	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	←
4 CHANGE	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	←
PHASE 2 AND 6	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW	←



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 50 (BUSINESS) AND
CYPRESS STREET

SALISBURY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 06/2007 CONTRACT NO. AT9335185

DESIGNED BY S. SMITH COUNTY WICOMICO

DRAWN BY S. SMITH LOGMILE 220.5015.33

CHECKED BY J. WEAVER T.I.M.S. NO. H57

F.A.P. NO. N/A TOD NO.

TS NO. 1983D DRAWING 2 OF 2 SHEET NO. OF



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